

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

*Sub E17*

1. (Currently Amended) A method for determining computer hardware requirements  
2 for a yet-to-be built database management system server using user defined workload  
3 requirements, the method comprising the steps of:  
4 obtaining at least one user defined workload requirement, the user defined workload  
5 requirement includes a plurality of inputs from a user including a maximum desired processor  
6 utilization, and a transactions per second requirement;  
7 determining the database management system server hardware requirements for the yet-  
8 to-be built database management system server as a function of said user defined workload  
9 requirement; and  
10 outputting said yet-to-be built database management system server requirements.

1 2. (Canceled).

1 3. (Currently Amended) A method for determining computer hardware requirements  
2 for a yet-to-be built database management system server using user defined workload  
3 requirements, the method comprising the steps of:  
4 obtaining at least one user defined workload requirement;  
5 determining the database management system server hardware requirements for the yet-  
6 to-be built database management system server as a function of said user defined workload

7 requirement; and  
8 outputting said yet-to-be built database management system server requirements, wherein  
9 said database management system server requirements A method according to claim 1, wherein  
10 said outputs include a number of processors requirement, a memory size requirement, and a mass  
11 storage requirement for the yet-to-be built database management system server.

1 4. (Currently Amended) A method for determining computer hardware requirements  
2 for a yet-to-be built database management system server using user defined workload  
3 requirements, the method comprising the steps of:

CP  
4 obtaining at least one user defined workload requirement;  
5 determining the database management system server hardware requirements for the yet-  
6 to-be built database management system server as a function of said user defined workload  
7 requirement; and  
8 outputting said yet-to-be built database management system server requirements, wherein  
9 said database management system server requirements include A method according to claim 1,  
10 wherein said outputs comprise properties including an expected effective CPU utilization for the  
11 yet-to-be built database management system server based on the user defined workload  
12 requirements.

1 5. (Currently Amended) A method for determining computer hardware requirements  
2 for a yet-to-be built database management system server using user defined workload  
3 requirements, the method comprising the steps of:

4        obtaining at least one user defined workload requirement;  
5        determining the database management system server hardware requirements for the yet-  
6        to-be built database management system server as a function of said user defined workload  
7        requirement; and  
8        outputting said yet-to-be built database management system server requirements, wherein  
9        said database management system server requirements include A method according to claim 1,  
10      wherein said outputs comprise properties including an expected number of users that can be  
11      supported by the yet-to-be built database management system server based on the user defined  
12      workload requirements.

1        6.        (Currently Amended) A method according to claim [[1]] 5, wherein said outputs  
2        comprise properties including database management system server requirements includes an  
3        expected effective CPU utilization of and an expected number of users supported by the yet-to-  
4        be built database management system server based on the user defined workload requirements.

1        7.        (Currently Amended) A method for determining computer hardware requirements  
2        for a yet-to-be built database management system server using user defined workload  
3        requirements, the method comprising the steps of:  
4        obtaining at least one user defined workload requirement;  
5        determining the database management system server hardware requirements for the yet-  
6        to-be built database management system server as a function of said user defined workload  
7        requirement; and

8            ~~outputting said yet-to-be built database management system server requirements, wherein~~  
9    ~~said database management system server requirements A method according to claim 1,~~  
10      ~~wherein said user defined workload requirement[[s]] includes a baseline system~~  
11      ~~transactions per second, and said output[[s]] includes a calculated transactions per second value,~~  
12      ~~and a ratio of said calculated transactions per second to said baseline transactions per second, and~~  
13      ~~wherein said determining step determines values for said calculated transactions per second and~~  
14      ~~said transactions per second ratio.~~

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1            8.    (Previously Presented)    A method for determining computer hardware  
2      requirements for a yet-to-be-built database management system server using a user-defined  
3      workload, the method comprising the steps of:  
4            obtaining from a user a plurality of transaction definitions, wherein each of said  
5      transactions definitions have a transaction workload contribution and an expected execution rate  
6      per second;  
7            calculating a total expected workload as a function of said transaction definitions; and  
8            outputting said total workload to said human user.

1            9.    (Previously Presented)    A method according to claim 16, further comprising  
2      the step of obtaining a server type from said user.

1            10.   (Previously Presented)    A method according to claim 16, further comprising  
2      the step of obtaining a maximum desired processor utilization.

1 11. (Previously Presented) A method according to claim 16, further comprising  
2 the step of obtaining a maximum desired network interface card utilization.

1 12. (Previously Presented) A method according to claim 16, further comprising  
2 the step of obtaining a server type, a LAN speed, a maximum desired processor utilization, and a  
3 maximum desired network interface card utilization.

1 13. (Previously Presented) A method according to claim 16, wherein at least  
2 some of said transaction definitions include at least one SQL statement wherein each of said  
3 transaction workloads is calculated by calculating a workload contribution of each of said SQL  
4 statements.

1 14. (Previously Presented) A method according to claim 13, wherein said SQL  
2 statements include insert, delete, update, and/or select SQL statement types.

1 15. (Original) A method according to claim 14, wherein  
2 said insert SQL types have parameters including a number of identical insert statements,  
3 and wherein said insert statement SQL workload contribution is a function of said statement  
4 parameters,

5 said delete SQL types have parameters including a number identical delete statements,  
6 and wherein said delete statement SQL workload contribution is a function of said statement  
7 parameters,

8           said update SQL types have parameters including a number of records to be operated on  
9    by said update statement, and wherein said update statement SQL workload contribution is a  
10   function of said statement parameters, and

11           said select SQL types have parameters including selectivity criteria, and wherein said  
12    select statement SQL workload contribution is a function of said statement parameters.

1           16.   (Previously Presented)   A method for determining computer hardware  
2    requirements for a yet-to-be-built database management system server using a user-defined  
3    workload, the method comprising the steps of:

4           obtaining from a user a plurality of transaction definitions, wherein each of said  
5    transactions definitions have a transaction workload contribution and an expected execution rate  
6    per second;

7           determining a total expected workload as a function of said transaction definitions; and  
8           determining the database management system server hardware requirements for the yet-  
9    to-be built database management system server as a function of said total expected workload.

1           17.   (Previously Presented)   A method according to claim 16 wherein the  
2    database management system server hardware requirements includes a processor type for the yet-  
3    to-be built database management system server.

1           18.   (Currently Amended) A method according to claim 16 wherein the database  
2    management system server hardware requirements includes a number of processors for the yet-

3 to-be built database management system server.

1 19. (Previously Presented) A method according to claim 16 wherein the  
2 database management system server hardware requirements includes I/O requirements for the  
3 yet-to-be built database management system server.

1 20. (Previously Presented) A method according to claim 16 wherein the  
2 database management system server hardware requirements includes memory requirements for  
3 the yet-to-be built database management system server.

1 21. (Currently Amended) Computer executable code stored on machine readable  
2 media for determining computer hardware requirements for a yet-to-be-built database  
3 management system server using a user-defined workload, the computer executable code  
4 performing the steps of:

5 obtaining from a user a plurality of transaction[[s]] definitions, wherein each of said  
6 transaction[[s]] definitions have a transaction workload contribution and an expected execution  
7 rate per second;

8 determining a total expected workload as a function of said transaction[[s]] definitions;

9 and

10 determining the database management system server hardware requirements for the yet-  
11 to-be built database management system server as a function of said total expected workload.